STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

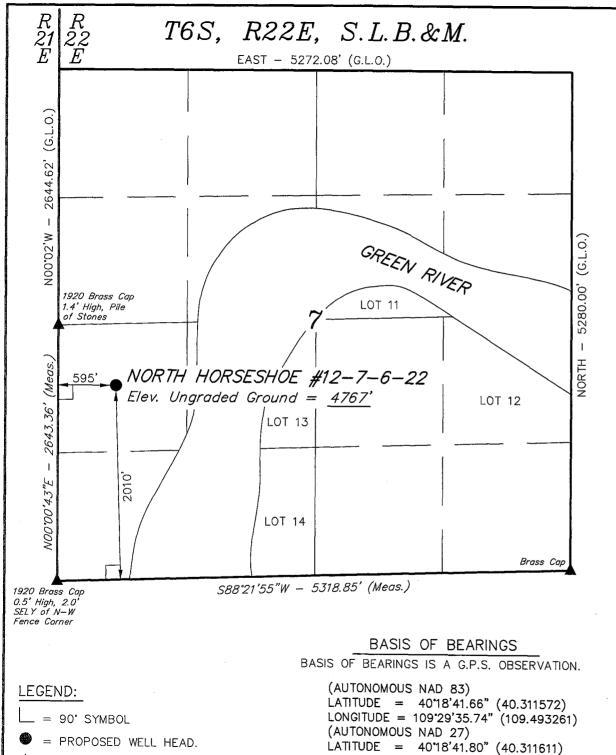
AMENDED REPORT	
(highlight changes)	

DIV. OF OIL, GAS & MINING

	APPLIC	ATION FOR	PERMIT TO	DRILL	5. MINERAL I ML-4796		6. SURFACE: State
1A. TYPE OF WORK: DRILL 🗹 REENTER 🗌 DEEPEN 🗌					7. IF INDIAN,	ALLOTTEE OR 1	RIBE NAME:
B. TYPE OF WEI	.L: OIL GAS 🗹	OTHER	SINC	GLE ZONE MULTIPLE ZON	E 8. UNIT or CA	AGREEMENT	IAME:
2. NAME OF OPE	PATOP:				O MELL NAM	E and NUMBER	
	n Exploration Com	oanv			B	lorseshoe	
3. ADDRESS OF	<u></u>			PHONE NUMBER:		ID POOL, OR WI	
1100 Louisi	ana Suite 20 _{CITY} He	ouston	ATE TX ZIP 770	002 (713) 830-6800	Undesig	gnated (Mideat
4. LOCATION OF	WELL (FOOTAGES)	1-	28087 X	40, 311718		R, SECTION, TOV	
AT SURFACE:	2010' FSL & 595' F	-WL		•	NIMONA		22E
AT PROPOSED	PRODUCING ZONE: SAM	e as above	1463235	1 -109, 492633	7	7 00	2.2 L
14. DISTANCE IN	MILES AND DIRECTION FROM	NEAREST TOWN OR PO	OST OFFICE:		12. COUNTY	;	13. STATE:
23.8 mile	s south of Vernal, L	T			Uintah		UTAH
15. DISTANCE TO	NEAREST PROPERTY OR LE	ASE LINE (FEET)	16. NUMBER OF	FACRES IN LEASE:	17. NUMBER OF AC	RES ASSIGNED	TO THIS WELL:
595'				2,240			40
	NEAREST WELL (DRILLING,	COMPLETED OR	19. PROPOSED		20. BOND DESCRIP	TIONI	
APPLIED FOR	ON THIS LEASE (FEET)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
N/A	(SHOW WHETHER DF, RT, G	o eto.	22 ADDDOVIM	9,628	104155044		
	(SHOW WHE THER DE, RT, G	λ, Ε10.).		ATE DATE WORK WILL START:	23. ESTIMATED DUF	RATION:	
4,766 GR			11/15/20)U3	30 Days		
24.		PROPOS	SED CASING AI	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND	WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QU,	ANTITY, YIELD, AND S	LURRY WEIGHT	
11"	8 5/8" J-55	36#	2,000	PREMIUM LITE II	250 SKS	3.38 CF	1'
Providency of the forest or the following of the parameters are provided as				CLASS "G"	329 SKS	1.2 CF	15.6 PPG
				Calcium Chloride	200 SKS	1.10 CF	15.6 PPG
7 7/8"	4 1/2" N-80	11.6#	9,401	PREMIUM LITE II	200 SKS	3.3 CF	11.0 PPG
	• • • • • • • • • • • • • • • • • • •			CLASS "G"	400 SKS	1.56 CF	14.3 PPG

25.			ATTA	CHMENTS			
VERIFY THE FOL	LOWING ARE ATTACHED IN A	CCORDANCE WITH THE	UTAH OIL AND GAS O	ONSERVATION GENERAL RULES:	nna:		TIAI
✓ WELL PL	AT OR MAP PREPARED BY LIC	CENSED SURVEYOR OR	ENGINEER	COMPLETE DRILLING PLAN	LUIN	FIDEN	IIAL
	E OF DIVISION OF WATER RI			FORM 5, IF OPERATOR IS PE	RSON OR COMPANY	OTHER THAN TH	F LEASE OWNER
							12 May 102 000 120 1
NAME (PLEASE	Willam A. Rya	<u> </u>		TITLE Agent			
SIGNATURE	William a	type		DATE 11-14-05			
(This space for Sta	te use only)	U	Steens Ann	roved by the			
			Uta	h Division ot	M-	~ -	
	Oil, Gas and Mining					D	
API NUMBER AS	API NUMBER ASSIGNED: 75 047 37392					_	
			Date:	THE OF	- INDIA	7 7 2005	

(11/2001)



= SECTION CORNERS LOCATED.

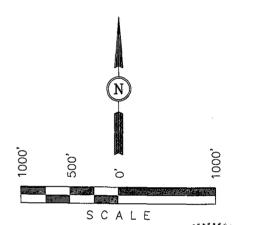
LONGITUDE = $109^{\circ}29^{\circ}33.26^{\circ}$ (109.492572)

THE HOUSTON EXPLORATION COMPANY

Well location, NORTH HORSESHOE #12-7-6-22, located as shown in the NW 1/4 SW 1/4 of Section 7, T6S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A HILLTOP LOCATED IN THE SW 1/4 OF SECTION 11, T6S, R22E, S.L.B.&M. TAKEN FROM THE RASSMUSSEN HOLLOW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4993 FFFT.



EDTIELONTE AND

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED, FROM FIELD NOTES OF ACTUAL SURVEYS MODERY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE BUILDING CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLE THE SAME ARE BUILDING TO THE BEST OF MY KNOWLEDGE AND BELLE THE SAME ARE BUILDING TO THE BEST OF MY KNOWLEDGE AND BELLE THE SAME ARE BUILDING TO THE BEST OF MY KNOWLEDGE AND BELLE THE SAME ARE BUILDING TO THE BUILDING TO THE SAME ARE BUILDING TO THE SAME ARE BUILDING TO THE SAME ARE BUILDING TO THE BUI

REGISTERED LAND SURVEYOR REGISTRATION AD 161319 STATE OF UNIT E OF

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-22-05	DATE DRAWN: 08-24-05	
N.H. D.S. P.M.	REFERENCES G.L.O. PLAT		
WEATHER WARM	FILE THE HOUS	STON JON COMPANY	

Ten Point Plan

The Houston Exploration Company

North Horseshoe 12-7-6-22

Surface Location NW 1/4 SW 1/4, Section 7, T. 6S., R. 22E.

1. Surface Formation

Green River

2. Estimated Formation Tops and Datum:

Formation	Depth	Datum
GR	Surface	4,766'
KB	+12'	4,778'
Green River	3,828'	+950°
Wasatch	7,028'	-2,250'
Mesaverda	9,628'	-4,850'TD

A 11" hole will be drilled to 2,000' +/-. The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

Off set well information

Permitted/Drilled:

None

Abandoned Wells:

None

4. Proposed Casing:

Hole	Casing			Coupling	Casing	
<u>Size</u>	<u>Size</u>	Weight/FT	<u>Grade</u>	& Tread	Depth	New/Used
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	$4\frac{1}{2}$	11.6#	N-80	LTC	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

Lead:	Casing <u>Size</u>	Cement Type	Cement Amounts	Cement Yield	Cement Weight
Dead.	8 5/8	Premium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L 10% Bentonite .5% Sodium Metasil: 3% Potassium Chlor		3.38ft³/sk	11.0 ppg
Tail:					
	8 5/8	Class "G" 2% Calcium Chlorid .25#/sk Cello Flake	329 sks. +/- e	1.2ft³/sk	15.6 ppg
Top Jo	b:				
	8 5/8	4% Calcium Chloride	e 200 sks. +/	′-1.10ft³/sk	15.6 ppg

Production casing will be cemented to 2,500° or higher as follows:

	Casing	Cement	Cement	Cement	Cement
	Size	Type	<u>Amounts</u>	<u>Yield</u>	Weight
Lead:					
	4 1/2	Premium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chlori .055 gps FP-6L 10% Bentonite .5 Sodium Metasilica		3.3ft³/sk	11.0 ppg
Tail:					

I am:

4 1/2 Class "G" 400 sks +/-1.56ft³/sk 14.3 ppg

.05% Static Free 2 Sodium Chloride

.1% R-3 2% Bentonite

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss M1/30 Mins.	Mud Type
0-2000 2000-T.D.	Air/Clear Water 8.4-12.0	30	No Control 8-10	Water/Gel Water/Gel

7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 1/2" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

a)	Test:	None are anticipated.		
b)	Coring:	There is the possibility of sidewall coring.		
c)	Sampling:	Every 10' from 2000' to T.D).	
d)	Logging:	Type DLL/SFL W/GR and SP FDC/CNL W/GR and CAL	Interval T.D. to Surf. Csg T.D. to Surf. Csg	

9. Abnormalities (including sour gas):

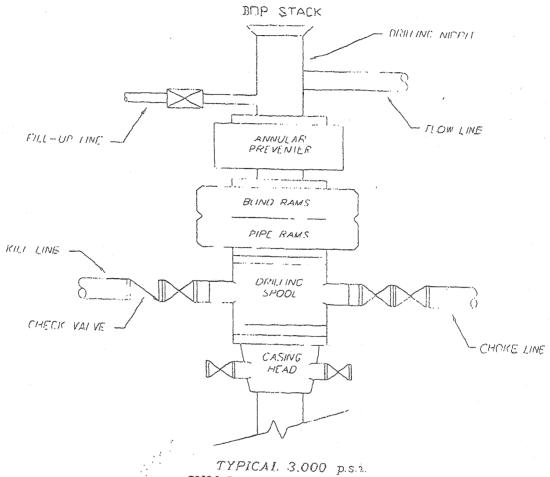
No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

10. Drilling Schedule:

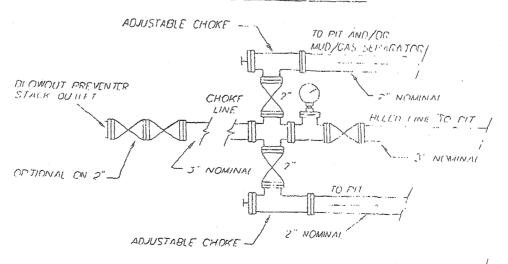
The anticipated starting date is 1/1/2005. Duration of operations is expected to be 30 days.

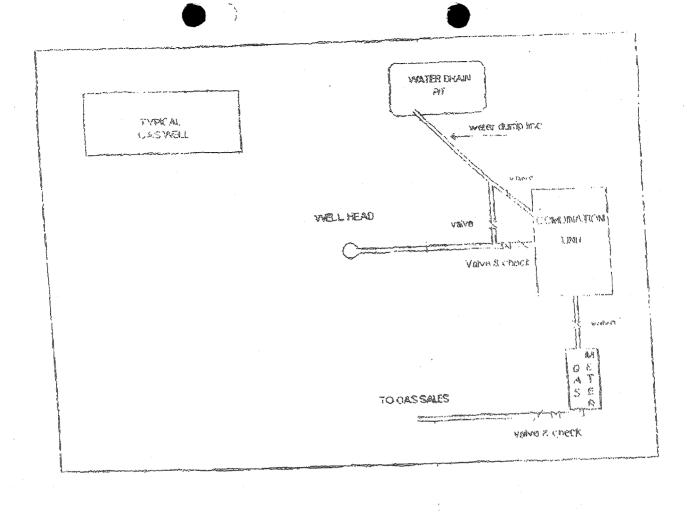
THE HOUSTON EXPLORATION COMPANY

TYPICAL 3,000 p.s.z. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i. CHOKE MANIFOLD SCHEMATIC





THE HOUSTON EXPLORATION COMPANY 13 POINT SURFACE USE PLAN

FOR WELL

NORTH HORSESHOE 12-7-6-22

LOCATED IN NW 1/4 SW 1/4

SECTION 7, T. 6S, R22E, S.L.B.&M.

UINTAH COUNTY, UTAH

LEASE NUMBER: ML-47969

SURFACE OWNERSHIP: STATE

1. Existing Roads:

To reach The Houston Exploration Co. well North Horseshoe 12-7-6-22 in Section 7, T6S, R 22E, Starting in Vernal, Utah.

Proceed in an easterly, then southerly direction from Vernal, Utah along U.S. Highway 40 approximately 3.9 miles to the junction of this road and State Highway 45; exit right and proceed in a southerly, then southeasterly direction approximately 7.4 miles on State Highway 45 to the junction of this road and an existing road to the southwest, turn right and proceed in a southwesterly, then westerly direction approximately 0.8 miles to the beginning of the proposed access to the northwest; follow road flags in a northwesterly, then northerly, then southerly direction approximately 0.4 miles to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately 23.8 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 2,112' +/- of new construction on lease. The road will be graded once per year minimum and maintained.

A) Approximate length
B) Right of Way width
C) Running surface
18 ft
D) Surface material Native soil
E) Maximum grade
F) Fence crossing
None
G) Culvert
None
H) Turnouts
None
None
None
None

J) Road Flagged Yes
K) Access road surface ownership

State
L) All new construction on lease

Yes M) Pine line crossing None

M) Pipe line crossing None Please see the attached location plat for additional details.

An off lease right-of-way will not be required.

All surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells The following wells are located within a one-mile radius of the location site.

A) Producing well	None
B) Water well	None
C) Abandoned well	None
D) Temp. abandoned well	None
E) Disposal well	None
F) Drilling /Permitted well	None
G) Shut in wells	None
H) Injection well	None
I) Monitoring or observation	well
_	None

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted an **Carlsbad Canyon** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is **Carlsbad Canyon**.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval form the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 4,800° +/- of 3° steel surface gas gathering line would be constructed on State Lands. The line will tie into the existing pipeline in Section 7, T6S,

R22E. The pipeline would be strung and boomed to the east of the location. The pipeline may be buried as determined by the Authorized Officer at the onsite.

An off lease right-of-way will not be required.

Please see the attached location diagrams for pipeline location.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meterproving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah. Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from The Green River in Permit #T-76073.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **12 ft**. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. Evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

A) Pad length	345 ft.
B) Pad width	245 ft.
C) Pit depth	12 ft.
D) Pit length	150 ft.
E) Pit width	75 ft.
F) Max cut	31.9 ft.
G) Max fill	16.0 ft.

- H) Total cut yds. 22,150 cu yds
- I) Pit location

East side

J) Top soil location

North end

K) Access road location

North end

L) Flare Pit

corner C

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at leas 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location. the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 2,180 cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

To be determined by the Authorized Officer.

11. Surface ownership:

Access road	State
Location	State
Pipe line	State

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported

promptly to the surface management agency.

D) Water:

The nearest water is the Green River located 1,100' +/- to the East.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

- a) Location Construction
 At least forty eight (48)
 hours prior to
 construction of location
 and access roads.
- b) Location completion
 Prior to moving on the drilling rig.
- c) Spud notice At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
 At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice Within five (5) business days after the new well begins, or production resumes after well has

been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner** C of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan Rocky Mountain Consulting 290 S 800 E Vernal, UT 84078

Office 435-789-0968 Fax 435-789-0970 Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new

application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by The Houston **Exploration Company and its** contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 11-14-00

William A. Ryan, Agent Rocky Mountain Consulting

Onsite Dates:

Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan
Agent for The Houston Exploration Company
Rocky Mountain Consulting
290 S 800 E
Vernal, UT 84078

435-789-0968 Office 435-828-0968 Cell 435-789-0970 Fax

THE HOUSTON EXPLORATION COMPANY

NORTH HORSESHOE #12-7-6-22

LOCATED IN UINTAH COUNTY, UTAH SECTION 7, T6S, R22E, S.L.B.&M.

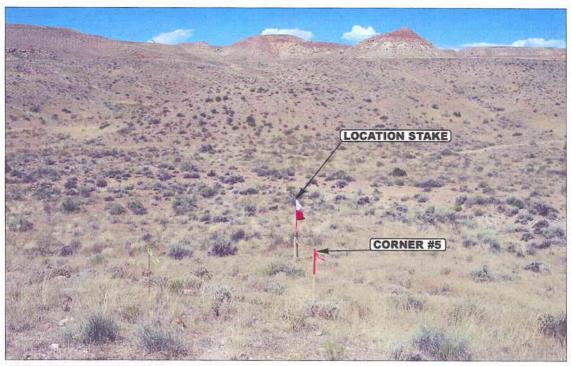


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

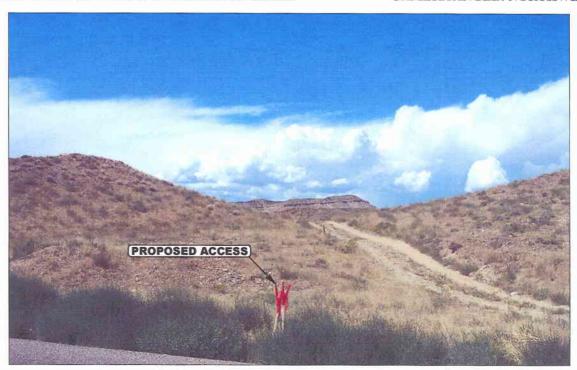


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY

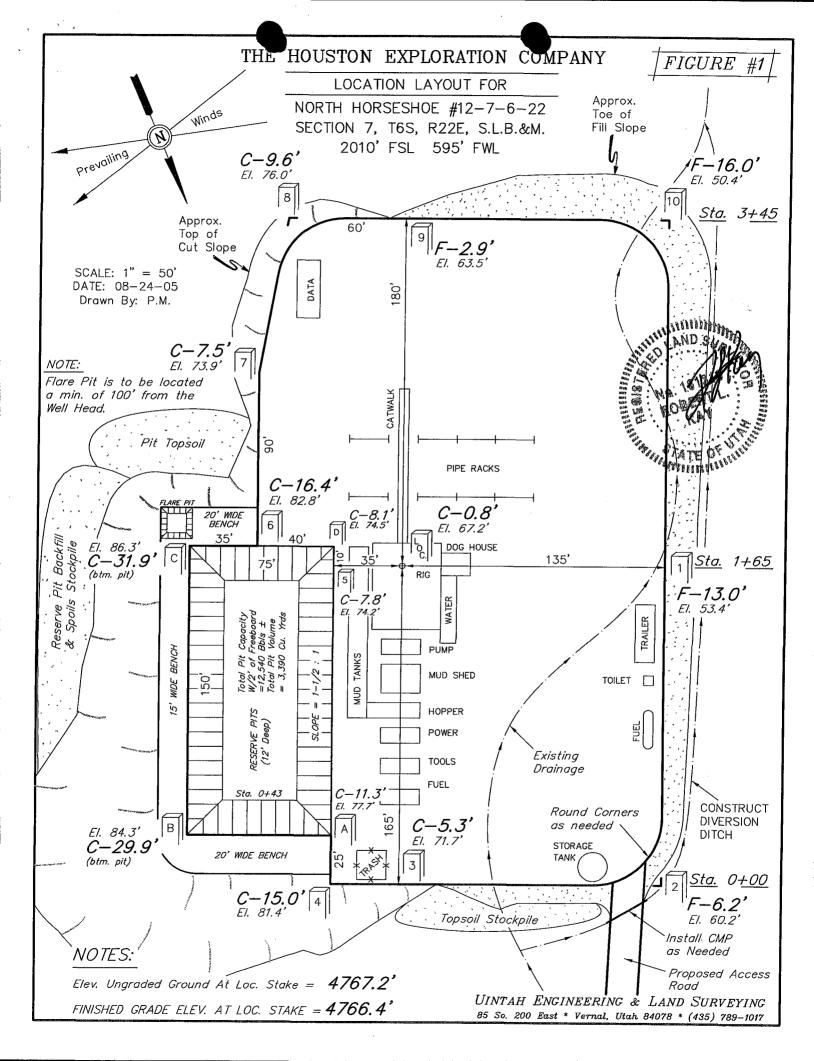


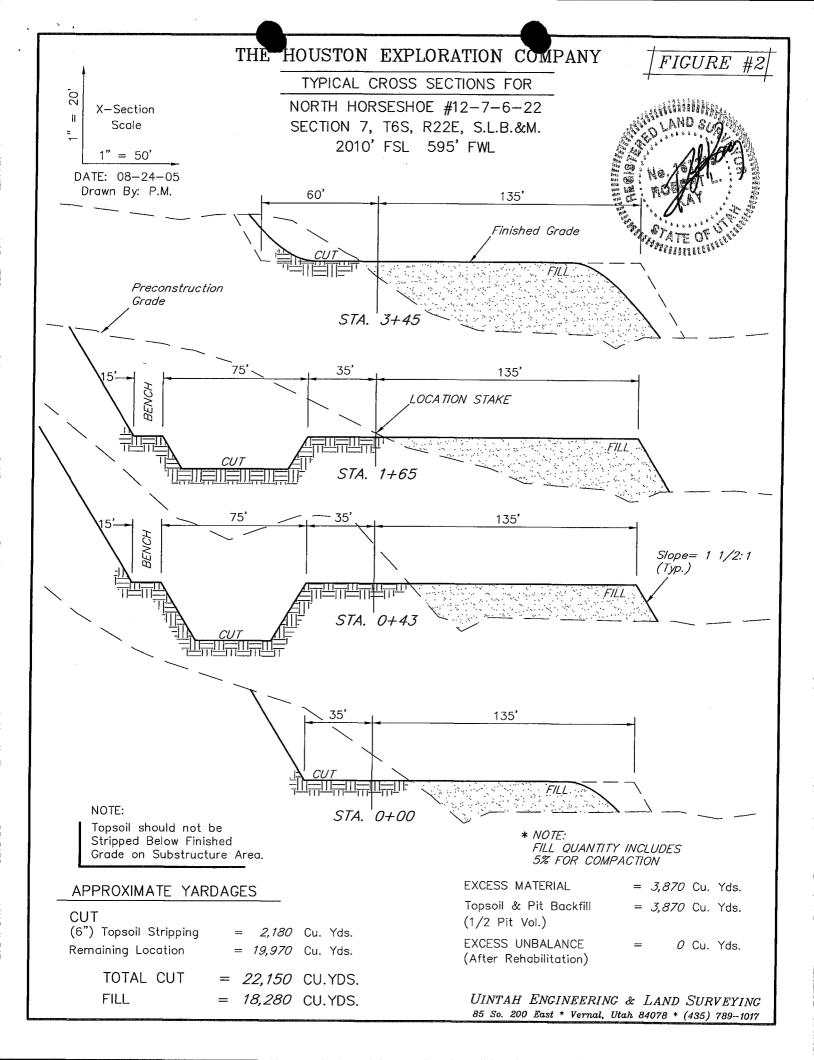
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

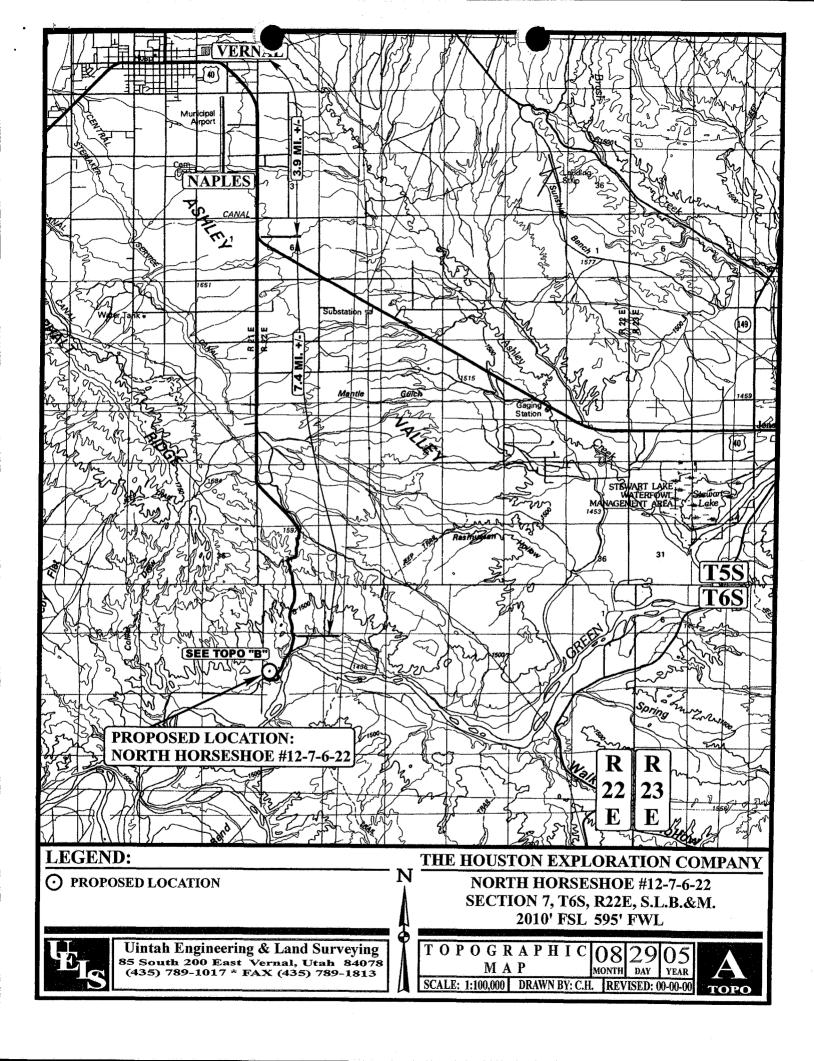
LOCATION PHOTOS

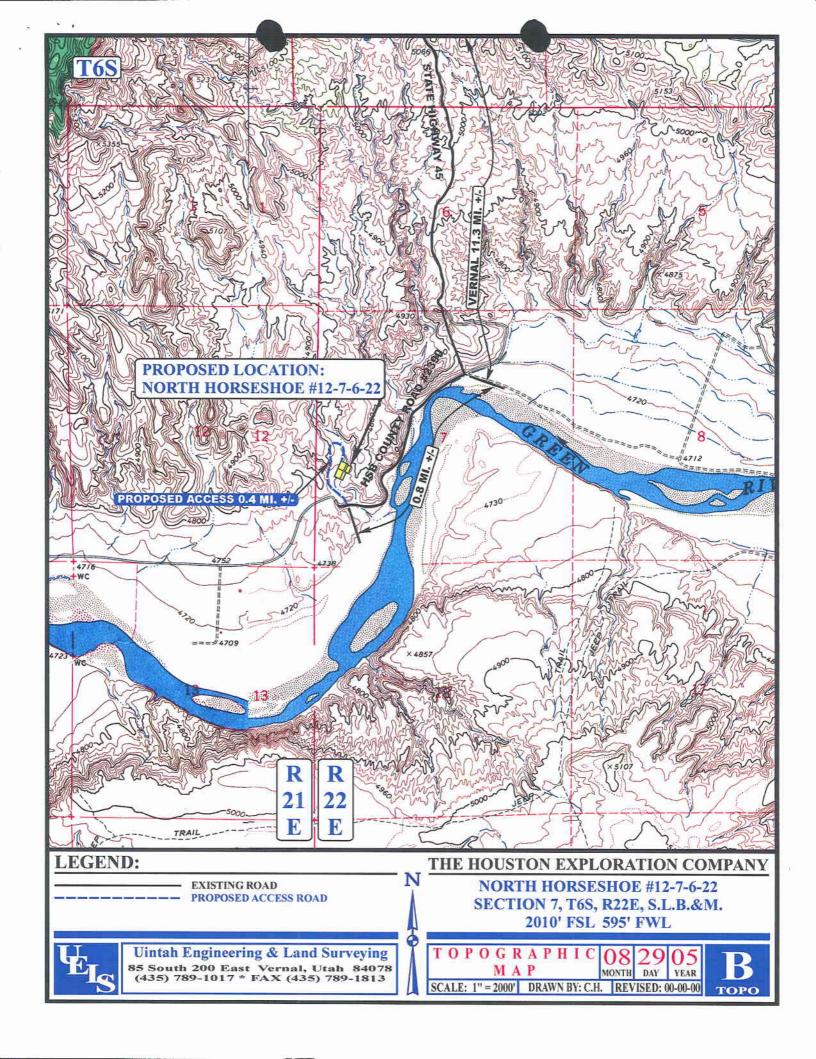
MONTH DAY YEAR TAKEN BY: N.H. | DRAWN BY: C.H. | REVISED: 00-00-00

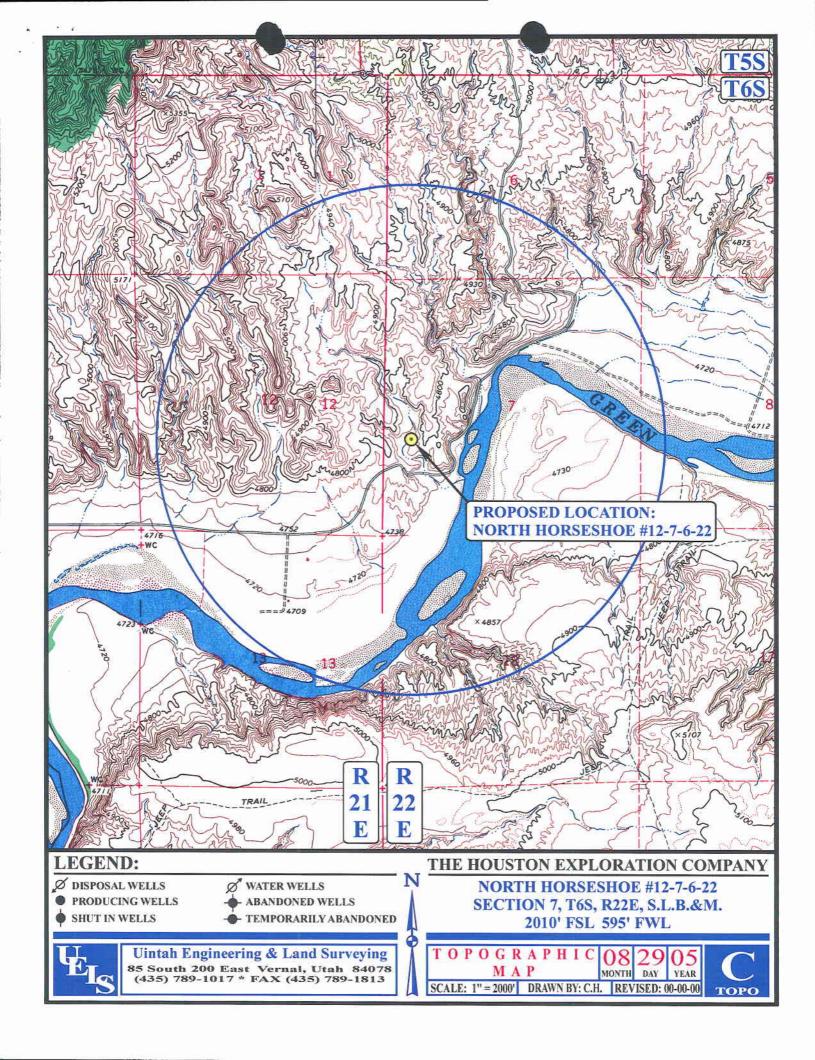
РНОТО

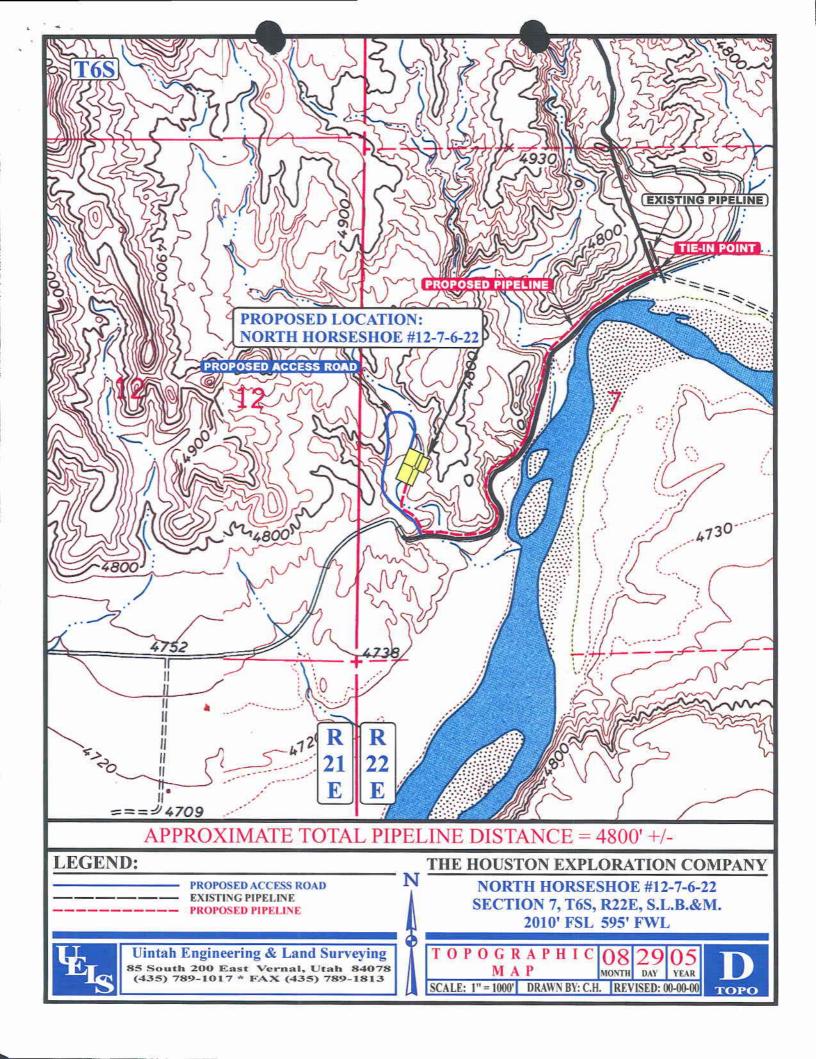




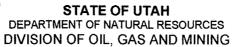












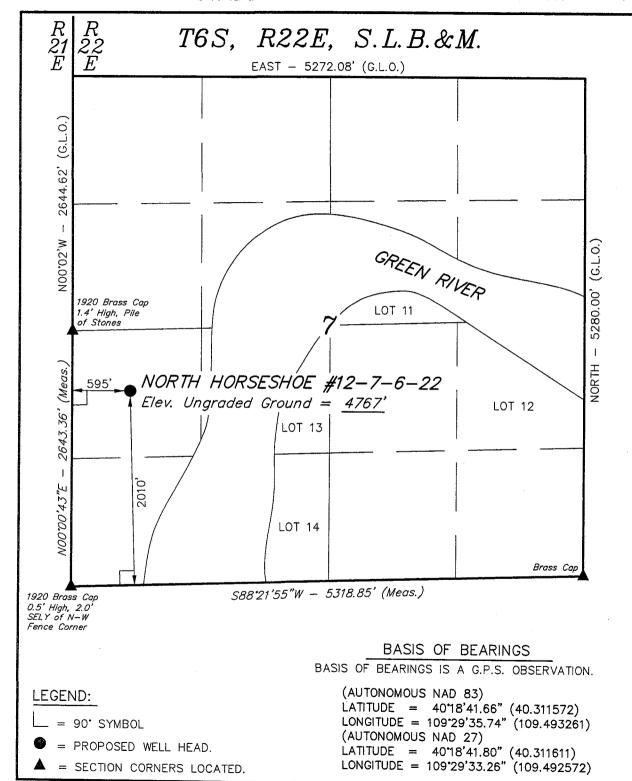
FORM	•
FORM	- 3

AMENDED REPORT (highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINER ML-4	RAL LEASE NO: 7969	6. SURFACE: State			
1A. TYPE OF WORK: DRILL 🗹 REENTER 🗌 DEEPEN 🗌			7. IF IND	IAN, ALLOTTEE OR	TRIBE NAME:				
B. TYPE OF WEI	ıl: OIL 🗌	GAS 🗾 O	THER	SING	GLE ZONE MULTIPLE ZÓN	8. UNIT	or CA AGREEMENT	NAME:	
2. NAME OF OPE	RATOR:						NAME and NUMBER	₹:	
The Housto	n Exploration	n Company					n Horseshoe		
3. ADDRESS OF 0		0 _{CITY} Housto	n	TX ZIP 770	PHONE NUMBER: (713) 830-6800		D AND POOL, OR W	ILDCAT:	
	WELL (FOOTAGES					11. QTR	QTR, SECTION, TO		
$628087 \times 40, 31/718$					MERI		005		
AT PROPOSED	PRODUCING ZON	E: same as	above 4	1463235	1 -109, 492633	5 NVVS	W 7 6S	22E	
		CTION FROM NEAR	ST TOWN OR PO	ST OFFICE:		12. COU	NTY:	13. STATE: UTAH	
	s south of V					Uinta	ah	OTAH	
	NEAREST PROPE	ERTY OR LEASE LIN	NE (FEET)	16. NUMBER OF	FACRES IN LEASE:	17. NUMBER O	ACRES ASSIGNED	TO THIS WELL:	
595'					2,240			40	
18. DISTANCE TO APPLIED FOR) NEAREST WELL: R) ON THIS LEASE	(DRILLING, COMPLI (FEET)	ETED, OR	19. PROPOSED		20. BOND DESC	BOND DESCRIPTION:		
N/A					9,628	104155044			
	•	RDF, RT, GR, ETC.)	:	1	ATE DATE WORK WILL START:	23. ESTIMATED	DURATION:		
4,766 GR 11/15/2005 3			30 Days						
24.		41	PROPOS	SED CASING AI	ND CEMENTING PROGRAM		· <u>·</u>		
SIZE OF HOLE	CASING SIZE, C	GRADE, AND WEIGH	IT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY, YIELD, AI	D SLURRY WEIGHT		
11"	8 5/8"	J-55	36#	2,000	PREMIUM LITE II	250 SKS	3.38 CF	1,	
					CLASS "G"	329 SKS	1.2 CF	15.6 PPG	
		-			Calcium Chloride	200 SKS	1.10 CF	15.6 PPG	
7 7/8"	4 1/2"	N-80	11.6#	9,401	PREMIUM LITE II	200 SKS	3.3 CF	11.0 PPG	
					CLASS "G"	400 SKS	1.56 CF	14.3 PPG	
25.				ATTA	CHMENTS				
VERIFY THE FOL	LOWING ARE ATT	ACHED IN ACCORD	ANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:	() ()	AFTIMA	**** A *	
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER COMPLETE DRILLING PLAN			UU	NFIDEN	HIAL				
			RSON OR COMPA	NY OTHER THAN T	HE LEASE OWNER				
EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER									
	\\/illam	A Duan			A				
NAME (PLEASE	PRINT	A. Ryall	7		TITLE Agent	······································			
SIGNATURE	Willion	- a k	The state of the s		DATE 11:14:05				
(This space for Sta	ite use only)		J						
						D	-		
API NUMBER ASSIGNED: 43 047 37392 APPROVAL:				1 1	CUEIVE	D			
				NO	ECEIVE				
						5	4005		

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

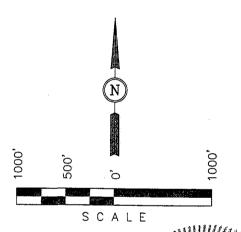


THE HOUSTON EXPLORATION COMPANY

Well location, NORTH HORSESHOE #12-7-6-22, located as shown in the NW 1/4 SW 1/4 of Section 7, T6S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A HILLTOP LOCATED IN THE SW 1/4 OF SECTION 11, T6S, R22E, S.L.B.&M. TAKEN FROM THE RASSMUSSEN HOLLOW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4993 FFFT

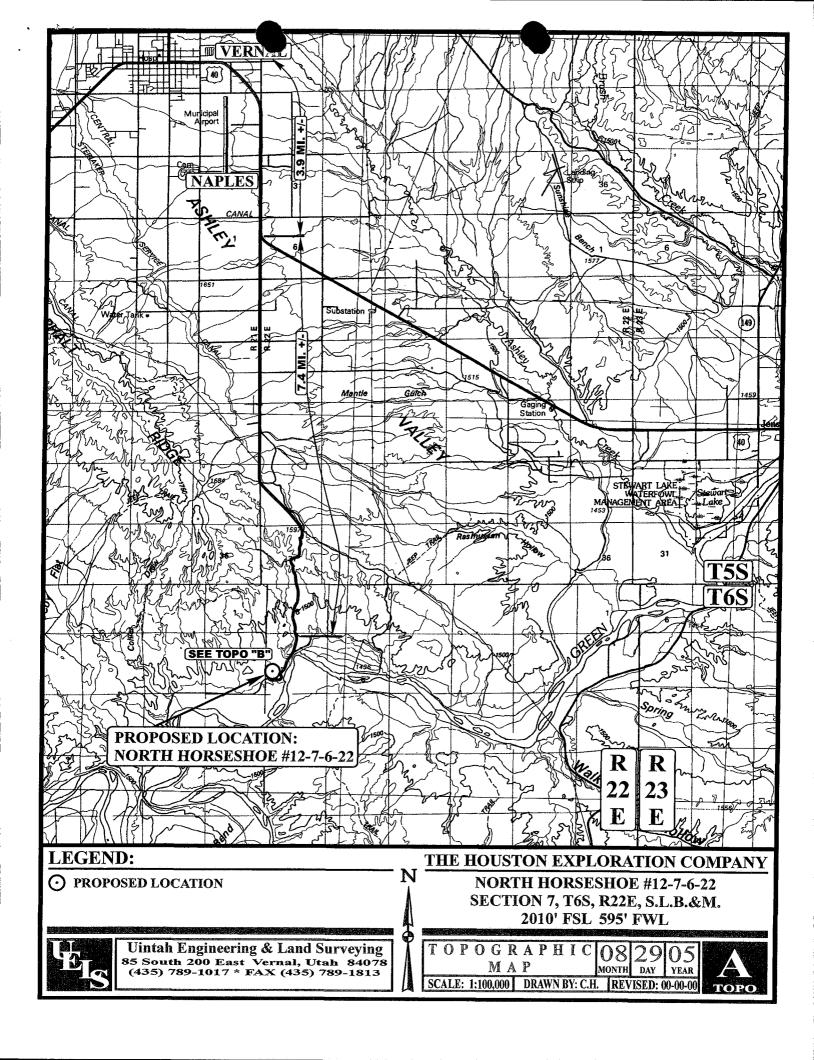


CERTIFICATE LAND
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED, FROI
FIELD NOTES OF ACTUAL SURVEYS MADDED ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUIT AND CORRECT TO
BEST OF MY KNOWLEDGE AND BELLET

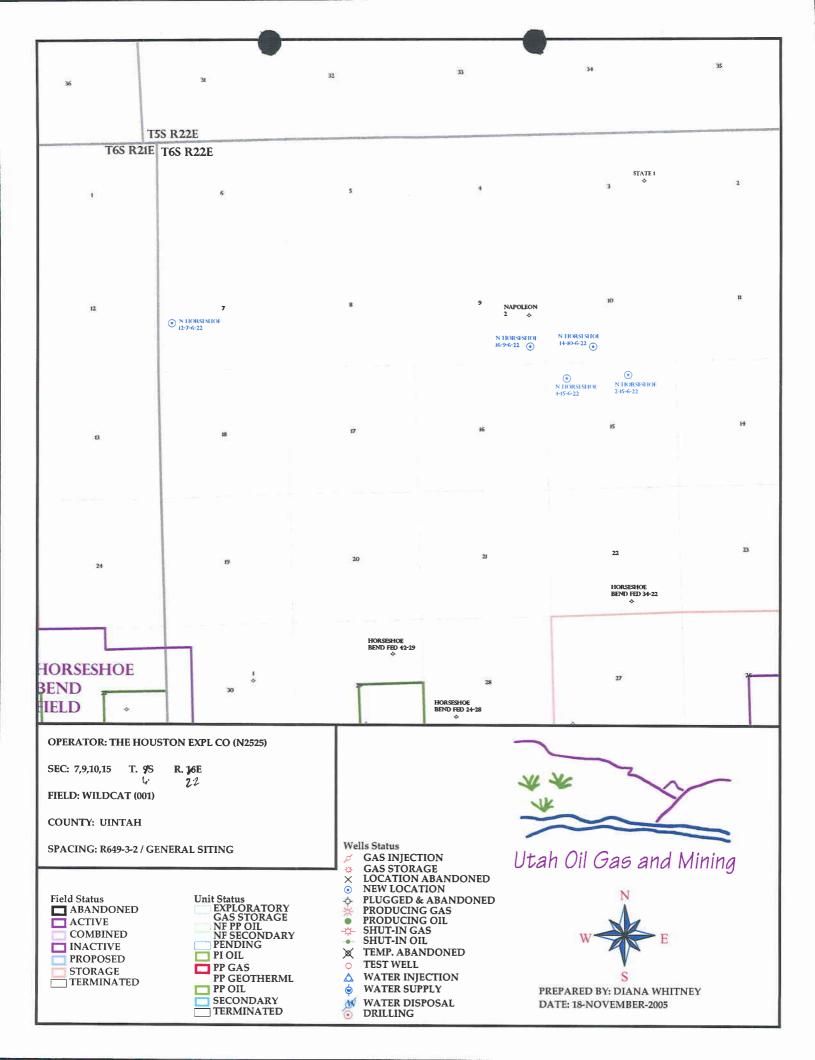
REGISTERED LAND SURVEYOR REGISTRATION NO. 16/319 YES

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: DATE DRAWN: 08-22-05 08-24-05
PARTY N.H. D.S. P.M.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE THE HOUSTON EXPLORATION COMPANY



APD RECEIVED: 11/17/2005	API NO. ASSIGNED: 43-047-37392		
WELL NAME: N HORSESHOE 12-7-6-22 OPERATOR: HOUSTON EXPLORATION CO, (N2525) CONTACT: BILL RYAN PROPOSED LOCATION: NWSW 07 060S 220E SURFACE: 2010 FSL 0595 FWL BOTTOM: 2010 FSL 0595 FWL UINTAH WILDCAT (1) LEASE TYPE: 3 - State LEASE NUMBER: ML-47969 SURFACE OWNER: 3 - State PROPOSED FORMATION: MVRD	PHONE NUMBER: 435-789-0968 INSPECT LOCATN BY: / / Tech Review Initials Date Engineering DLD 1/20/06 Geology Surface LATITUDE: 40.31172		
COALBED METHANE WELL? NO	LONGITUDE: -109.4926		
Plat Plat Bond: Fed[] Ind[] Sta[] Fee[] (No. 10 4 155 6 4 4	LOCATION AND SITING: R649-2-3. Unit R649-3-2. General		
comments: Much Prise	(11-29-05)		
STATEMENT	OF BASIS		



DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR: THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER: NORTH HORSESHOE 12-7-6-22
API NUMBER: 43-047-37392
LOCATION: 1/4,1/4 NW/SW sec: 7 TWP: 6S RNG: 22E, 2010 FSL 595 FWL
Geology/Ground Water:
The Houston Ex. Co. proposes to set 2000 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 4,700 feet. A search of Division of Water Rights records shows six water wells within a 10,000 foot radius of the proposed location. These wells are approximately. 5 miles to 1. miles from the proposed well. The wells range from 20 feet to 300 feet in depth. The use is listed as industrial, domestic and stock watering. These wells probably produce mostly from alluvium associated with the Green River. The surface formation at this location is the Uinta Formation and alluvium derived from the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers.
Reviewer: Brad Hill Date: 12-06-05
Surface:
The predrill investigation of the surface was performed on 11/29/05. Ben Williams with UDWR and Jim Davi
with SITLA were invited to this investigation by email on 11/22/05. Both were present.
Mr. Williams representing the UDWR stated the area is classified as high value yearlong habitat for antelope an limited value yearlong habitat for deer. He did not recommend any restriction periods or actions to the Operator of SITLA for these species. He stated no other wildlife species are expected to be significantly affected. Mr. William also gave Ms. Stringham and Mr. Davis a UDWR recommended seed mix to be used when reserve pit and location are reclaimed.
The location is in a drainage about 0.3 miles upslope from the Green River floodplain. Proper installation and maintenance of a liner in the reserve pit is essential during drilling operations. This site is on State surface, with State minerals, and appears to be the best site for a location in the immediate area.
Reviewer: Floyd Bartlett Date: 11/30/05
Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 16 mils and a felt subliner shall be properly installed and

maintained in the reserve pit.

OPERATOR: THE HOUSTON EXPLORATION COMPANY

WELL NAME & NUMBER: NORTH HORSESHOE 12-7-6-22

API NUMBER: 43-047-37392

LEASE: ML-47969 FIELD/UNIT: WILDCAT

LOCATION: 1/4,1/4 NW/SW sec: 7 TWP: 68 RNG: 22E, 2010 FSL 595 FWL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 628087 E 4463235 N SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

Floyd Bartlett (DOGM), Ginger Stringham (HOUSTON), Ben Williams (UDWR) Corey Stubbs (Stubbs & Stubbs Construction), Jim Davis, (SITLA).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The proposed North Horseshoe 12-7-6-22 well lies in a small draw approximately 0.4 miles north of the Green River and ¾ miles west of State Highway 45 and its bridge across the Green River. The draw runs about 3 miles northerly where it heads under the south slopes of Asphalt Ridge. The terrain in the area is broken with numerous draws separated by poorly vegetated and often steep ridges. Only perennial water in the area is in the Green River.

The location lies about 11.3 miles south of Vernal, Ut and is accessed by State Highway 45, the Horseshoe Bend Uintah County road and an 0.4 miles of existing low standard road which will be reconstructed.

SURFACE USE PLAN

CURRENT SURFACE USE: wildlife, winter cattle grazing and hunting.

PROPOSED SURFACE DISTURBANCE: <u>Up-grading of 0.4 miles of low standard road including a short section of new construction and construction of a well location 345'x 210' plus reserve pit and soil stockpile storage outside the described area.</u>

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: None shown on attached 'TOPO C" map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Pipeline will follow the edge of the access road approximately 4,800 feet to a tie-in point near the Green River Bridge..

SOURCE OF CONSTRUCTION MATERIAL: <u>All construction material will be</u> borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area. The location is not within the Green River floodplain.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None. The Green River floodplain is approximately .3 miles to the south.

FLORA/FAUNA: <u>Vegetation is dominated by cheat grass</u>. <u>Russian thistle, halogeton</u>, shadscale, ephedra, globe mallow, big sage brush, <u>Indian ricegrass</u> and annual mustard also exist.

<u>Dominant fauna is pronghorn, rodents, songbirds, raptors, deer, bobcat, coyote.</u>

SOIL TYPE AND CHARACTERISTICS: Deep gravel with sediment deposited in the bottom of the draw.

EROSION/SEDIMENTATION/STABILITY: No stability problems are anticipated with the construction and operation of the location. An active gulley intersects the west side of the proposed location. It is planned to be rerouted west around the location. A culvert is planned to cross this drainage if needed.

PALEONTOLOGICAL POTENTIAL: none sited.

RESERVE PIT

CHARACTERISTICS: 150' by 75' and 12' deep. The reserve pit is planned in an area of cut on the north east side of the location. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score of 25, rating as Level I, Highly Sensitive. Operator routinely installs a 16 mil. liner in all reserve pits.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: Site was inspected by Sagebrush Archeological Consultants on 11/5/2005. A report of this investigation will be placed in the file.

OTHER OBSERVATIONS/COMMENTS

Ben Williams representing the UDWR stated the area is classified as high

value yearlong habitat for antelope and limited value yearlong habitat for deer. He did not recommend any restrictions to the Operator or SITLA.

ATTACHMENTS

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

11/29/2005 11:45 AM DATE/TIME

Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

TOT MODELYC CINC	ompice lie binel We	edarremence
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200 75 to 100	5	
25 to 75	10 15	<u>o</u>
<25 or recharge area	20	<u>u</u>
Distance to Surf. Water (feet) >1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200 < 100	15 20	0 .
Distance to Nearest Municipal		
Well (feet) >5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320 <300	10 20	0
	20	
Native Soil Type Low permeability	0	
Mod. permeability	0 10	
High permeability	20	20
Fluid Type	•	
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid	10	
containing significant levels of	15	
hazardous constituents	20	5
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20 >20	5 10	0
	10	0
Affected Populations	•	
<10 10 to 30	0 6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown Present	10	•
FIEDGIIC	15	0

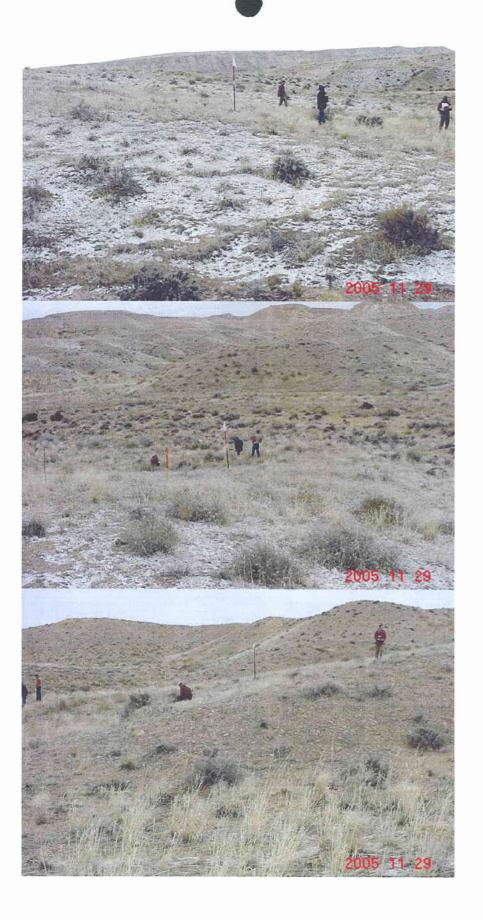
25

(Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required. Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.

Final Score





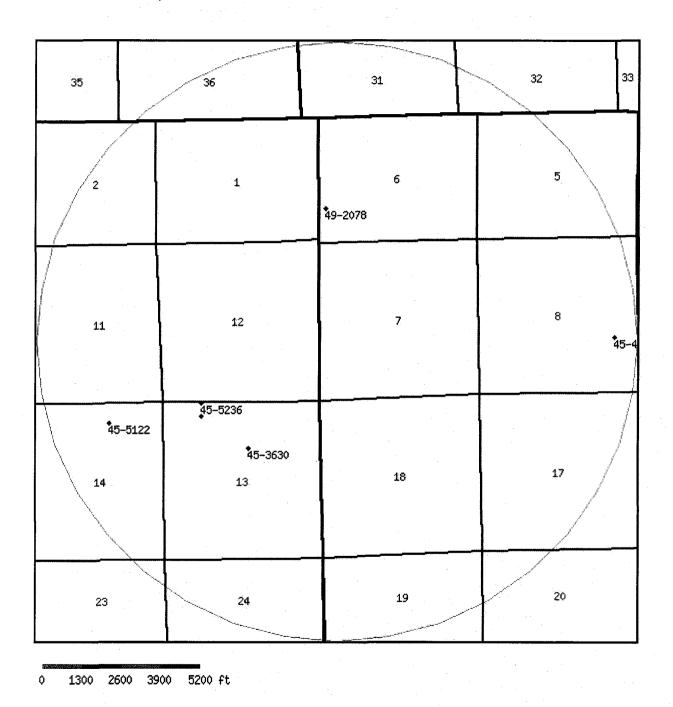


WRPLAT Program Output Listing

Version: 2004.12.30.00

Rundate: 12/06/2005 12:56 PM

Radius search of 10000 feet from a point N2010 E595 from the SW corner, section 07, Township 6S, Range 22E, SL b&m Criteria:wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS ACFT	Owner Name
45-3630	Underground		P	19750418	DIS	0.015 0.000	. NED B. MITCHELL CONSTRUCTION INC.
	S1550 W2380 NE 13 6S 21E SL						P.O. BOX 186
45-4516	Underground	well info	P	19800422	DIS	0.015 0.000	TODD R., SUSAN F., RICKY T. & CHRISTINA M. THACKER
	S775 W775 E4 08 6S 22E SL						P.O. BOX 876
45-4877	Underground	*	P	19810819	DIS	0.015 0.000	L. J. CUMMINGS
	S475 E1270 NW 13 6S 21E SL						5164 SOUTH 2000 WEST
45-5051	Underground		P	19820809	DIS	0.015 0.000	BOYD AND GEORGIA CHAMPION
	S30 E1274 NW 13 6S 21E SL						1933 WEST HORSESHOE BEND
45-5122	Underground		P	19831227	DIS	0.007 1.562	GARN & EDNA MASSEY
	S715 W1799 NE 14 6S 21E SL						2375 WEST HORSESHOE BEND ROAD
45-5236	Underground		P	19860317	DIS	0.015 0.000	FLORENCE L. & DONALD E. CULLUM
	S30 E1274 NW 13 6S 21E SL	•					1901 WEST HORSESHOE BEND
49-2078	Underground		P	19510426	DI	0.200 0.000	CHEVRON OIL COMPANY
	N1150 E230 SW 06 6S 22E SL						P.O. BOX 780

Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy

STATE ACTIONS

Resource Development Coordinating Committee Governor's Office of Planning and Budget

5110 State Office Building SLC, UT 84114

Phone No. 537-9230

1. State Agency

Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801 2. Approximate date project will start:

Upon Approval or December 2, 2005

3. Title of proposed action:

Application for Permit to Drill

4. Description of Project:

The Houston Exploration Company proposes to drill the North Horseshoe 12-7-6-22 well (wildcat) on a State lease ML-47969, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.

5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)

(include UTM coordinates where possible) (indicate county) 2010' FSL 595' FWL, NW/4 SW/4.

Section 7, Township 6 South, Range 22 East, Uintah County, Utah

6. Possible significant impacts likely to occur:

Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres — not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.

- 7. Identify local government affected
 - a. Has the government been contacted? No.
 - b. When?
 - c. What was the response?
 - d. If no response, how is the local government(s) likely to be impacted?
- 8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:
 - a. Has the representative and senator been contacted? N/A
- 9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1)

 Uintah Basin Association of Governments

1 1	103	e /1	*C	
ŧŧ	. Hor	Hirrner	information.	contact.

11. Signature and title of authorized officer

Diana Whitney

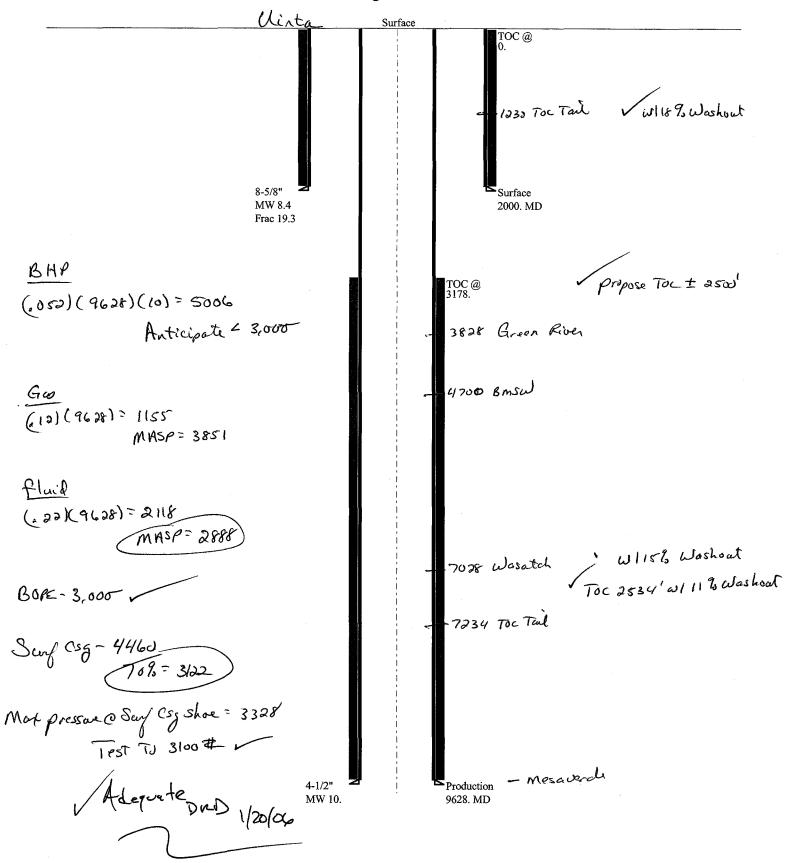
Phone: (801) 538-5312

Gil Hunt, Associate Director

Date: November 18, 2005

1-06 Houston N Horseshoe 1-7-6-22

Casing Schematic



Well name:

01-06 Houston N Horseshoe 12-7-6-22

Operator:

Houston Exploration Company

String type:

Surface

Project ID:

43-047-37392

Location:

Collapse

Uintah County

Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered? Surface temperature:

No 65 °F

Bottom hole temperature: Temperature gradient:

Non-directional string.

93 °F

1.40 °F/100ft

Minimum section length:

250 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J) 1.60 (J) Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

Design parameters:

Mud weight:

1,760 psi

8.400 ppg

0.120 psi/ft 2,000 psi

Tension:

8 Round STC:

Buttress: Premium:

8 Round LTC:

Body yield:

1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 1,749 ft

Re subsequent strings: Next setting depth:

Next mud weight: Next setting BHP:

9.628 ft 10.000 ppg 5,002 psi

Fracture mud wt: Fracture depth: Injection pressure 19.250 ppg 2,000 ft 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	36.00	J-55	ST&C	2000	2000	7.7	143.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	3450	3.953	2000	4460	2.23	63	434	6.89 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 810-359-3940

Date: January 19,2006 Salt Lake City, Utah

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes, Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



01-06 Houston N Horseshoe 12-7-6-22

Operator:

Houston Exploration Company

String type:

Production

Project ID:

43-047-37392

Location:

Uintah County

Design parameters:

Collapse

Mud weight: Design is based on evacuated pipe.

10.000 ppg

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:**

H2S considered?

No

Surface temperature: 65 °F Bottom hole temperature: 200 °F

1.40 °F/100ft Temperature gradient:

Minimum section length: 1,500 ft

Non-directional string.

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

Cement top:

3,178 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: 3,846 psi 0.120 psi/ft

Calculated BHP 5,002 psi Tension:

8 Round STC: 8 Round LTC:

Buttress:

Premium: Body yield: 1.60 (J) 1.50 (J) 1.50 (B)

Tension is based on buoyed weight.

Neutral point:

8,189 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9628	4.5	11.60	N-80	LT&C	9628	9628	3.875	223.2
Run Seq	Collapse Load (psi) 5002	Collapse Strength (psi) 6350	Collapse Design Factor 1.270	Burst Load (psi) 5002	Burst Strength (psi) 7780	Burst Design Factor 1.56	Tension Load (Kips) 95	Tension Strength (Kips) 223	Tension Design Factor 2.35 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 810-359-3940

Date: January 19,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9628 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

From:

Robert Clark Whitney, Diana

To:

11/28/2005 9:17:07 AM

Date: Subject:

RDCC short turn around responses

The following comments are being submitted directly to DOG&M due to their short turn around status.

The following comments are submitted for RDCC #5944-5949. The comments pertain to all projects. Comments begin: The proposed *North Horseshoe 12-7-6-22, 16-9-6-22, 14-10-6-22, 2-15-6-22, 4-15-6-22, and 3-16-6-21* well drilling projects in Uintah County may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The proposed project is also subject to Utah Air Quality Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm. Comments end.

The following comments are submitted for RDCC #5950-5952. The comments pertain to all projects. Comments begin: The proposed *Thurston 5-15-9-24, 13-29-9-24, and 10-15-9-24* well drilling projects in Uintah County may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The proposed project is also subject to Utah Air Quality Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . Comments end.

Robert Clark

Division of Air Quality 536-4435

CC:

Mcneill, Dave; Wright, Carolyn

5944

Sponsor: Division of Oil, Gas and Mining

rate.doc

SLB&M: Sec. 7, T6S, R22E

Counties Affected: Uintah

Description: Application for Permit to Drill - proposal to drill a wildcat well the North

Horseshoe 12-7-6-22, on a State lease ML-47969

Description of Project:

The Houston Exploration Company proposes to drill the North Horseshoe 12-7-6-22 wel (wildcat) on a State lease ML-47969, Uintah County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Ga Mining is the primary administrative agency in this action and must issue approval before of commence.

Comments:

Wellpad placement disturbs soils. Vegetative and/or structural measures shall be implemented within 60 days of initial soil disturbance to prevent erosion leaving the site from exceeding the tolerable rate as determined by the local office of USDA/NRCS. Further, if vegetation surrounding the wellpad does not provide at least 60% ground cover within 60 days of creating the wellpad, engineering practices shall be implemented within 60 days to control erosion. Such measures may include mulching, use of fiber mats, cross slope trenching, contour furrows, rock dams, terracing or such other erosion control practices as are required to prevent erosion from exceeding more the tolerable rate.

Page 2 Mr. Roger Chapman November 28, 2005

If you have any questions concerning this approval, please contact Lisha Cordova at (801) 538-5296 or Brad Hill at (801) 538-5315.

Sincerely,

Gil Hunt Associate Director, Oil & Gas

Attachment: 2

LC:mf

cc: Dan Jarvis, Technical Services Manager

Richard Powell, Roosevelt Office Uintah County Planning Office Jennifer Corser, Tri County Health

Facility File

From:

Ed Bonner

To:

Whitney, Diana

Date:

12/20/2005 9:54:05 AM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Enduring Resources, LLC

Big Pack 12-21-11-2

Big Pack 12-21-13-2

Big Pack 12-21-24-2

EOG Resources, Inc.

Chapita Wells Unit 695-32

The Houston Exploration Company

North Walker Hollow 2-32-6-23

North Walker Hollow 8-32-6-23

North Walker Hollow 10-32-6-23

North Walker Hollow 12-32-6-23

North Walker Hollow 16-32-6-23

North Horseshoe 12-7-6-22

North Horseshoe 16-9-6-22

North Horseshoe 14-10-6-22

North Horseshoe 2-15-6-22

North Horseshoe 4-15-6-22

Westport Oil & Gas Company

NBU 1022-20N

NBU 1022-20L

NBU 1022-20F

NBU 1022-20D

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil

Clinton Dworshak - cement sks changes

From:

eric bowedn <starman686@yahoo.com>

To:

<cli>dutah.gov>

Date:

1/18/2006 1:39 PM

Subject: cement sks changes

here are the cement sks changes that you reqested.

Yahoo! Photos – Showcase holiday pictures in hardcover

Photo Books. You design it and we'll bind it!

THE HOUSTON EXPLORATION COMPANY

WELL NAME	API	LEAD	TAIL
		sks	sks
NH 9-16-6-21	43-047-37439	415	514
NH 3-16-6-21	43-047-37391	415	514
NH 13-16-6-21	43-047-37575	415	514
NH 15-2-6-21	43-047-37477	415	514
NH 13-2-6-21	43-047-37476	415	514
NII 11 16 6 01	42 047 27441	400	£1.5
NH 11-16-6-21	43-047-37441	499	515
NH 7-16-6-21	43-047-37438	499	515
NH 1-16-6-21	43-047-37442	499	515
NH 15-16-6-21	43-047-37440	499	<u>515</u>
NIII 10 7 (00	42.045.25200	41.5	515
NH 12-7-6-22	43-047-37392	415	<u>515</u>
NH 16-9-6-22	43-047-37393	415	515
NH 14-10-6-22	43-047-37394	415	<u>515</u>
NH 4-15-6-22	43-047-37396	415	<u>515</u>
NH 2-15-6-22	43-047-37395	415	515
3 WY W T 4 A A C C A A A	10.01		
NWH 13-36-6-23	43-047-37463	357	526
NWH 15-36-6-23	43-047-37464	357	526
NWH 11-36-6-23	43-047-37462	357	526
NWH 14-32-6-23	43-047-37478	357	<u>526</u>
NWH 2-32-6-23	43-047-37399	357	526
NWH 8-32-6-23	43-047-37401	357	526
NWH 10-32-6-23	43-047-37400	357	526
NWH 12-32-6-23	43-047-37397	357	526
NWH 16-32-6-23	43-047-37398	357	526
000000	40.047.07754	a #=	غضمي
G 2-2-6-19	43-047-37561	153	1,050
G 16-2-6-19	43-047-37562	153	1,050
<u>G 1-2-6-19</u>	43-047-37563	153	1,050
G 3-2-6-19	43-047-37568	153	1,050



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

January 23, 2006

Houston Exploration Company 1100 Louisiana, Suite 2000 Houston, TX 77002

Re:

North Horseshoe 12-7-6-22 Well, 2010' FSL, 595' FWL, NW SW, Sec. 7,

T. 6 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37392.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

Uintah County Assessor

SITLA

Operator:	Houston Exploration Company	
Well Name & Number	North Horseshoe 12-7-6-22	
API Number:	43-047-37392	_
Lease:	ML-47969	

Location: <u>NW SW</u>

Sec. 7

T. 6 South

R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-047-37392 January 23, 2006

- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 7. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.



State of Utah

Department of Natural Resources

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

February 26, 2007

Ginger Stringham
The Houston Exploration Co.
1100 Louisiana, Suite 2000
Houston, TX 77002-6800

Re:

APD Rescinded -North Horseshoe 12-7-6-22 Sec. 7 T. 6 R. 22E

Uintah County, Utah API No. 43-047-37392

Ms. Stringham:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on January 23, 2006. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective February 26, 2007.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

cc: Well File

SITLA, Ed Bonner

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING	
1. DJJ	
2. CDW	

Change of Operator (Well Sold)	X - Operator Merger							
The operator of the well(s) listed below has chan	6/1/2007							
FROM: (Old Operator): N2525 - The Houston Exploration Company 1100 Louisiana, Suite 2000	TO: (New Operator): N6965-Forest Oil Corporation 707 17th St, Suite 3600							
Houston, TX 77002				Denver	r, CO 80202			
Phone: 1-(713) 830-6800				Phone: 1 (303)	812-1755			
CA No.	CA No.							· · · · · · · · · · · · · · · · · · ·
WELL NAME	SEC	TWN	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST		<u> </u>	<u></u>		<u>.l</u>		<u> </u>	<u> </u>
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation w. 2. (R649-8-10) Sundry or legal documentation w.	as rec	eived f				7/30/2007	-	
3. The new company was checked on the Depart						s Database o	- n:	7/31/2007
4a. Is the new operator registered in the State of				Business Num		571171-014		<u> </u>
4b. If NO, the operator was contacted contacted							-	
5a. (R649-9-2)Waste Management Plan has been re		d on:		IN PLACE				
5b. Inspections of LA PA state/fee well sites comp					_			
5c. Reports current for Production/Disposition &				YES	_			
6. Federal and Indian Lease Wells: The Bl				has approved th	– e merger, na	ame change,		
or operator change for all wells listed on Feder					BLM	not yet	BIA	_
7. Federal and Indian Units:						-		_
The BLM or BIA has approved the successo	r of u	nit ope	rator fo	r wells listed on	1:	n/a		
8. Federal and Indian Communization Ag							 -	
The BLM or BIA has approved the operator			listed v	within a CA on:		n/a	_	
9. Underground Injection Control ("UIC			The D	ivision has appr	roved UIC F	form 5, Trans	fer of A	ithority to
Inject, for the enhanced/secondary recovery u		oject fo	or the w	ater disposal we	ell(s) listed	on:	n/a	_
DATA ENTRY:	-	•						
1. Changes entered in the Oil and Gas Database	on:			7/31/2007	_			
2. Changes have been entered on the Monthly O	perat	or Ch	ange Sp	oread Sheet on	:	7/31/2007		
3. Bond information entered in RBDMS on:				7/31/2007	_			
4. Fee/State wells attached to bond in RBDMS of				7/31/2007				
5. Injection Projects to new operator in RBDMS	on: for Al	DD/Na	w.on'	n/a	pending			
6. Receipt of Acceptance of Drilling Procedures	IOI AI	r D/ No	w on.		pending			
BOND VERIFICATION:				6236351				
 Federal well(s) covered by Bond Number: Indian well(s) covered by Bond Number: 				n/a				
2. Indian well(s) covered by Bond Number: 3a. (R649-3-1) The NEW operator of any fee we	:ll(s) l	isted c	overed		er	6218963		
3b. The FORMER operator has requested a relea					not yet	_	_	
LEASE INTEREST OWNER NOTIFIC	CAT	ION:				_		
4. (R649-2-10) The FORMER operator of the fee	well	s has b	een con	itacted and info	rmed by a le	etter from the	Division	
of their responsibility to notify all interest own	ers of	this cl	nange or	n:	8/1/2007	· · · · · · · · · · · · · · · · · · ·		<u> </u>
COMMENTS:								

STATE

11.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: See Attached List
2 NAME OF OPERATOR: $N6965$	9. API NUMBER: Various
3. ADDRESS OF OPERATOR: PHONE NUMBER (303) 812-1755	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: See attached list	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	PRT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: ACIDIZE DEEPEN FRACTURE TREAT CASING REPAIR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: CHANGE WELL NAME PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: Change of Operator
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum	es, etc. N2525
Effective 6/1/2007 please change the operator for the attached list of Utah wells from The H N-2525) to Forest Oil Corporation (N-6965). Forest merged with The Houston Exploration (document is attached The contract operated wells will continue to be contract operated by Forest Oil Corporation as new operator, accepts all applicable terms, conditions, stipulations	louston Exploration Company Company, a copy of the merger y Enduring.
approved operations conducted on the lease or portion of the lease described.	o and resultations contestning
Forest Oil Corporation meets the State of Utah bonding requirements under Safeco bond #6	6218963.
Please send all future correspondence to Forest Oil Corporation at the above listed address	S.
Forest Oil Corporation, 707 17th Street, Suite #3600, Denver, CO 80202 7 - J. Ridens, Senior Vice President - Western Region	5-07 Date
NAME (PLEASE PRINT) Joanne C. Hresko SIGNATURE DATE Vice President & 7-5.07	General Mgr Northern Division
als space for State use only)	-i- 1-

(This space for State use only)

No wells in APD status or at this time RECEN

RECEIVED

JUL 3 U 2007

(5/2000)

Division of Oil, Gas and Mining Earlene Russell, Engineering Technician

well name	sec	twp	rng	api	entity	lease	well	stat	flag	unit	qtr_qtr	1 num	op no
FEDERAL 28-01	28			4304730098		Federal	GW				SESE	UTU-016257	
CONOCO STATE 32-2	32	080S		4304730100	10096		GW				NENE	ML-11124	N2525
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P			NESW		N2525
BONANZA 4B-12	12	090S	230E	4304733806	14593	Federal	D	PA			NWNW	UTU-74426	N2525
WALKER HOLLOW 13-31	31	060S	230E	4304735039		Federal	GW	LA			SESW	UTU-76280	N2525
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	S			SENW	ML-47063	N2525
BONANZA 2B-16	16	0908	240E	4304735694	14186	State	D	PA			NWNE	ML-46526	N2525
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P			NWNE	ML-47061	N2525
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	S			NWNE	ML-47063	N2525
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	S			NWSE	ML-47063	N2525
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P			NWSW	ML-47063	N2525
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P			NESW	ML-46907	N2525
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	S			NWNW	ML42061	N2525
BONANZA 12A-22	22	090S	240E	4304735922	14520	Federal	D	PA			NWSW	UTU-78118	N2525
BONANZA 14-16	16	090S	240E	4304735941	14521	State	D	PA			SESW	ML-46526	N2525
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P	C		NESW	ML-47078	N2525
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	S			SWNE	ML-47063	N2525
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P			NENW	ML-47063	N2525
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	S			SWNW	ML-47063	N2525
GUSHER 6-2	02	060S	190E	4304736963		State	OW	LA			SENW	ML-49144	N2525
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	DRL	C		NENW	ML-49317	N2525
N HORSESHOE 12-7-6-22	07	060S	220E	4304737392		State	GW	LA			NWSW	ML-47969	N2525
N HORSESHOE 16-9-6-22	09	060S	220E	4304737393		State	GW	LA			SESE	ML-47969	N2525
N HORSESHOE 14-10-6-22	10	060S	220E	4304737394		State	GW	LA			SESW	ML-47969	N2525
N HORSESHOE 2-15-6-22	15	060S	220E	4304737395		State	GW	LA			NWNE	ML-47969	N2525
N HORSESHOE 4-15-6-22	15	060S	220E	4304737396		State	GW	LA			NWNW	ML-47969	N2525
N WALKER HOLLOW 12-32-6-23	32	060S	230E	4304737397		State	GW	LA	!		NWSW	ML-47777	N2525
N WALKER HOLLOW 16-32-6-23	32	060S	230E	4304737398		State	GW	LA			SESE	ML-47777	N2525
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	DRL	C		NWNE	ML-47777	N2525
N WALKER HOLLOW 10-32-6-23	32	060S	230E	4304737400		State	GW	LA			NWSE	ML-47777	N2525
N WALKER HOLLOW 8-32-6-23	32	060S	230E	4304737401		State	GW	LA			SENE	ML-47777	N2525
N WALKER HOLLOW 11-36-6-23	36	060S	230E	4304737462		State	GW	LA			NESW	ML-47970	N2525
N WALKER HOLLOW 13-36-6-23	36	060S	230E	4304737463		State	GW	LA			SWSW	ML-47970	N2525
N WALKER HOLLOW 15-36-6-23	36	060S	230E	4304737464		State	GW	LA			SWSE	ML-47970	N2525
N WALKER HOLLOW 14-32-6-23	32	060S	230E	4304737478		State	GW	LA			SESW	ML-47777	N2525
HACKING RES 11-32-8-25	32	080S	250E	4304737479		State	GW	LA			NESW	ML-11124	N2525
HACKING RES 3-32-8-25	32	080S	250E	4304737480		State	GW	LA			NENW	ML-11124	N2525
HACKING RES 5-32-8-25	32	080S	250E	4304737481		State	GW	LA			SWNW	ML-11124	N2525
HACKING RES 15-32-8-25	32	080S	250E	4304737482		State	GW	LA			SWSE	ML-11124	N2525
HACKING RES 9-32-8-25	32	080S	250E	4304737483		State	GW	LA			NESE	ML-11124	N2525
HACKING RESERVOIR 7-32-8-25	32	080S	250E	4304737571	15885	State	GW	DRL	C		SWNE	ML-11124	N2525